Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) In a wireless communication system having mobile subscriber units **within a single wireless network** that may be in either static or mobile modes **when operating within the single network** and a plurality of fixed network devices located at cell sites ~~in a single network~~ for communicating with ~~either~~ **both** static ~~or~~ **and** mobile subscriber units **within the single network**, a method for acquiring and managing a plurality of communication modes at each subscriber unit comprising:

first sensing whether the subscriber unit is static or mobile from the nature and quality of the communication links with nearby network devices; thereafter

enabling an acquisition protocol suited to static mode and mobile mode for said subscriber unit; and

enabling an acquisition protocol suited to mobile mode for mobile subscriber units and static mode for fixed subscriber units.

2. (Original) The method according to claim 1 further comprising:

initiating procedures to change acquisition mode from static mode to mobile mode upon failure of the subscriber unit to sense a preselected number of consecutive scheduled polling packets sent by a linked device.

3. (Original) The method according to claim 1 further comprising:

initiating procedures to determine whether it is appropriate to change acquisition mode from static mode to mobile mode upon failure to transmit a preselected number of consecutive data packets

4. (Original) The method according to claim 3 further comprising:

upon decision to change to mobile mode, foregoing best node qualification.

5. (Original) The method according to claim 3 further comprising:

upon decision to change to mobile mode, foregoing registration of location with a name service.

6. (Original) The method according to claim 3 further comprising:

upon decision to change to mobile mode, transmitting sync packets at a higher repetitivity.

7. (Original) The method according to claim 1 further comprising:

upon decision to change to mobile mode, foregoing third party query processes.

8. (Original) The method according to claim 3, further comprising:

upon decision to change to mobile mode, foregoing best node qualification;

foregoing registration of location with a name service;

foregoing third party query processes; and

transmitting sync packets at a higher repetitivity.

9. (Original) The method according to claim 1, further comprising:

upon a subscriber unit changing its BMC, causing said subscriber unit to send forwarding packets to its former bestnode, and

updating a new corresponding path to a gateway resource.

10. (Currently Amended) In a network communication system having subscriber units **within the single network** that may be either static or mobile **when operating within the single network** and a plurality of fixed network devices located at cell sites **within the single network**, with at least some of the network devices for communicating with ~~either~~ **both** static ~~or~~ **and** mobile subscriber units, a method for acquiring and managing a plurality of communication modes at each subscriber unit comprising:

first sensing whether the subscriber unit is static or mobile from the nature and quality of the communication links with nearby network devices; thereafter

enabling a first acquisition protocol suited to static mode and mobile mode for said subscriber unit; and

enabling a second acquisition protocol suited to mobile mode for mobile subscriber units and static mode for fixed subscriber units.

11. (Currently Amended) In a wireless network communication system having subscriber units **within a single wireless network** that may be either static or mobile **when operating within the single network** and a plurality of fixed network devices located at cell sites, with the network devices in a single network and for communicating with both static and mobile subscriber units, a method for acquiring and managing a plurality of communication modes at each subscriber unit comprising:

first sensing whether the subscriber unit is static or mobile from the nature and quality of the communication links with nearby network devices; and thereafter

enabling an acquisition protocol suited to mobile mode for mobile subscriber units and static mode for fixed subscriber units, with the mode based on the nature and quality of the communication links.

12. (Currently Amended) In a wireless mesh network communication system **for a single wireless network** having subscriber units, some of which are at least at times mobile, and having a plurality of fixed network devices located at cell sites, with at least some of the network devices for communicating with both static and mobile subscriber units **operating within the single network**, an acquisition protocol for use in communicating between the subscriber units and the fixed network devices, comprising:

a static mode for use when a subscriber device is fixed and not mobile; and

a mobile mode for use when a subscriber device is mobile, the mobile mode being lower speed and trimmed downed from the static mode.

13. (Previously presented) The acquisition protocol of claim 12, wherein the subscriber unit is sensed as static or mobile based on the nature and quality of the communication links with nearby network devices.

14. (Previously presented) The acquisition protocol of claim 13, wherein procedures are initiated to determine whether it is appropriate to change the acquisition mode from static mode to mobile mode upon failure of the subscriber unit to sense a preselected number of consecutive scheduled polling packets sent by a linked device.

15. (Previously presented) The acquisition protocol of claim 13, wherein procedures are initiated to determine whether it is appropriate to change acquisition mode from static mode to mobile mode upon failure to transmit a preselected number of consecutive data packets

16. (Previously presented) The acquisition protocol of claim 15, wherein upon determination to change to mobile mode, foregoing best node qualification.

17. (Previously presented) The acquisition protocol of claim 15, wherein upon determination to change to mobile mode, foregoing registration of location with a name service.

18. (Previously presented) The acquisition protocol of claim 15, wherein upon determination to change to mobile mode, transmitting sync packets at a higher repetitivity.

19. (Previously presented) The acquisition protocol of claim 15, wherein upon determination to change to mobile mode, foregoing third party query processes.

20. (Previously presented) The acquisition protocol of claim 15, wherein upon determination to change to mobile mode, foregoing best node qualification, foregoing registration of location with a name service, foregoing third party query processes, and transmitting sync packets at a higher repetitivity.

21. (Previously presented) The acquisition protocol of claim 15, wherein:

upon a subscriber unit changing its BMC, causing said subscriber unit to send forwarding packets to its former bestnode, and

updating a new corresponding path to a gateway resource.